



PASSIVE INFRARED | INDOOR COMMERCIAL DETECTION

CX-502 SERIES





CX-502 / CX-502AM

The CX-502 Series is designed to give extremely stable detection performance in a variety of commercial applications. With patented Quad Zone Logic, sensitivity is maintained throughout the entire coverage area, even in high temperature areas or in applications with low temperature contrast. Combined with Double Conductive Shielding and Temperature Compensation, a high level of false alarm protection is guaranteed.

Temperature Compensation

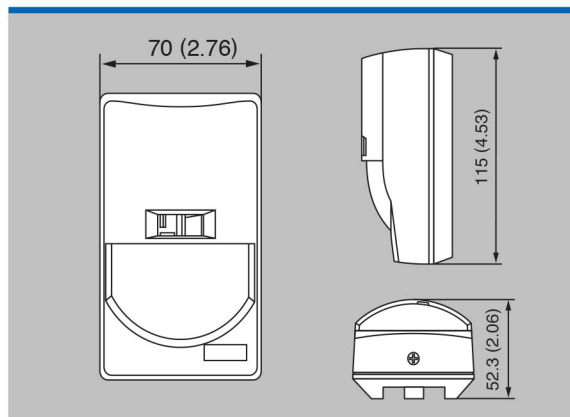
Temp. Compensation maintains a high level of false alarm immunity while avoiding missed alarms. Accurate detection is assured by automatically adjusting its sensitivity according to the environmental temperature.

Sealed Optics

Sealed Optics prevents drafts and small insects from getting in and onto the Pyroelectric Element, reducing the chance of false alarms.

Double Conductive Shielding of the Pyroelectric Element (Patent Listed)

Double filtering and conductive metal shielding of the detection element block out visible light and RFI, allowing only infrared energy to reach the pyroelectric elements.



CX-502AM: Multi Anti-Masking Technology



OPTEX has developed the world's first Multi Anti-Masking Technology, to detect and notify on virtually any kind of detection interference by applying multiple forms of anti-masking optical technology. Twin-windows detect, with high sensitivity, the variations of optical expansions and direction differences in the active infrared detection beams when a masking event occurs.

The CX-502AM utilizes Multi Anti-Masking Technology developed by OPTEX's advanced PIR innovation, delivering higher reliability performance than conventional Anti-Masking PIRs.

	CX-502	CX-502AM
Detection method	Passive infrared	
Coverage	50ft x 50ft (15m x 15m) 85° Wide 80ft X 7ft,7in with CL-80N Long Range Lens	
Detection zones	82 zones	
Mounting height	1.8 ~ 3.0m (6 ~ 10ft)	
Sensitivity	1.6 °C (3 °F) at 0.6m/sec. (2ft/sec.)	
Detectable speed	0.3 ~ 1.5m/sec. (1 ~ 5ft/sec.)	
Power input	9 ~ 18VDC	
Current draw	5mA (normal) / 12mA (max.)	7mA (normal) / 19mA (max.)
Alarm period	2.0 ± 0.5sec.	
Alarm output	N.C. 28VDC 0.2A max.	
Alarm memory		Selectable positive or negative control
Initial alarm memory		Selectable positive or negative control
D.L. terminal		Selectable positive or negative control
Tamper switch	N.C. Opens when cover removed	
Warm-up period	Approx. 1 min. (LED blinks)	
LED indicator	Blinking during warm-up period. Alarm condition	Red and yellow: blinking during warm-up period. Red: Alarm/Alarm Memory/Initial Alarm Memory indicator Yellow: Anti-Masking and Self-Checking indicator
RF interference	No alarm 30V/m	
Temperature	-20 ~ +50°C (-4 ~ +122°F)	
Humidity	95% max.	
Weight	120g (4.2oz)	135g (4.8oz)

From residential to critical infrastructure, OPTEX has the right motion detection solution for any application and environment.

With indoor and outdoor detection options for every threat level, OPTEX provides you with flexibility and choice based on your total security needs. Since it's founding over 30 years ago, OPTEX has established a worldwide reputation for quality, innovation, and technical excellence. Our products always represent an investment in performance and long-term satisfaction.

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